

Title (en)

Microscope having a focus-adjusting mechanism.

Title (de)

Mikroskop mit einem Fokusjustiergerät.

Title (fr)

Microscope avec dispositif d'ajustement de la focalisation.

Publication

EP 0488023 A1 19920603 (EN)

Application

EP 91119709 A 19911119

Priority

JP 31358390 A 19901119

Abstract (en)

Disclosed herein is a microscope which comprises main unit (20) comprising a base (21), an arm body (22) mounted on and fixed to the base (21), an arm top (23), a revolver (33) attached to the arm top (23), an objective (34) attached to the revolver (33), a lens barrel (3) held by the arm top (23), and an eyepiece (39) attached to the lens barrel (3), a stage (38) for supporting a specimen (s), a movable member (25) connected to the front of the arm body (22), opposing the specimen (s) supported on the stage (38), and capable of moving in vertical direction, a revolver/stage holder (37, 40) attached to the movable member (25), for holding the revolver or the stage (38), a focus adjustment knob (27) coupled to the arm body (22), a focus-adjusting mechanism located within the arm body (22), mechanically connected to the movable member (25) and the focus adjustment knob (27), for moving the movable member (25) in the vertical direction for a distance proportional to an angle through which the knob (27) is rotated, a first revolver holder (24) secured to the arm top (23), for holding the revolver (33), and a stage support (60) to be mounted on the base (21) in the case where the objective (34) is moved in order to achieve focusing. <IMAGE>

IPC 1-7

G02B 21/26

IPC 8 full level

G02B 21/00 (2006.01); **G02B 21/24** (2006.01); **G02B 21/26** (2006.01)

CPC (source: EP US)

G02B 21/241 (2013.01 - EP US); **G02B 21/26** (2013.01 - EP US)

Citation (search report)

- [A] DE 3735091 A1 19880428 - OLYMPUS OPTICAL CO [JP]
- [A] DE 3641048 A1 19870604 - OLYMPUS OPTICAL CO [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 12 (P-421)(2069) 7 January 1986 & JP-A-60 168 118 (MITSUTOYO SEISAKUSHO) 31 August 1985

Cited by

EP1892552A1; FR2819058A1; WO2004059362A1; US7675675B2; EP1686408A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0488023 A1 19920603; **EP 0488023 B1 19960131**; DE 69116818 D1 19960314; DE 69116818 T2 19960905; JP 2966514 B2 19991025; JP H04184312 A 19920701; US 5270855 A 19931214

DOCDB simple family (application)

EP 91119709 A 19911119; DE 69116818 T 19911119; JP 31358390 A 19901119; US 79216491 A 19911114